

SEQUENCE LISTING

<110> Nelsestuen, Gary L.

<120> MODIFIED VITAMIN K-DEPENDENT
POLYPEPTIDES

<130> 09531/002001

<140> 08/955,636

<141> 1997-10-23

<160> 18

<170> FastSEQ for Windows Version 3.0

<210> 1

<211> 44

<212> PRT

<213> Homo sapiens

<220>

<221> MOD_RES

<222> (0)...(0)

<223> Xaa=gamma carboxyglutamic acid or glutamic acid

<400> 1

Ala Asn Ser Phe Leu Xaa Xaa Leu Arg His Ser Ser Leu Xaa Arg Xaa
1 5 10 15
Cys Ile Xaa Xaa Ile Cys Asp Phe Xaa Xaa Ala Lys Xaa Ile Phe Gln
20 25 30
Asn Val Asp Asp Thr Leu Ala Phe Trp Ser Lys His
35 40

<210> 2

<211> 44

<212> PRT

<213> Bos taurus

<220>

<221> MOD_RES

<222> (0)...(0)

<223> Xaa=gamma carboxyglutamic acid or glutamic acid

<400> 2

Ala Asn Ser Phe Leu Xaa Xaa Leu Arg Pro Gly Asn Val Xaa Arg Xaa
1 5 10 15
Cys Ser Xaa Xaa Val Cys Xaa Phe Xaa Xaa Ala Arg Xaa Ile Phe Gln
20 25 30
Asn Thr Xaa Asp Thr Met Ala Phe Trp Ser Phe Tyr

35

40

<210> 3
<211> 44
<212> PRT
<213> Homo sapiens

<220>
<221> MOD_RES
<222> (0)...(0)
<223> Xaa=gamma carboxyglutamic acid or glutamic acid

<400> 3

Ala Asn Ala Phe Leu Xaa Xaa Leu Arg Pro Gly Ser Leu Xaa Arg Xaa
1 5 10 15
Cys Lys Xaa Xaa Gln Cys Ser Phe Xaa Xaa Ala Arg Xaa Ile Phe Lys
20 25 30
Asp Ala Xaa Arg Thr Lys Leu Phe Trp Ile Ser Tyr
35 40

<210> 4
<211> 44
<212> PRT
<213> Bos taurus

<220>
<221> MOD_RES
<222> (0)...(0)
<223> Xaa=gamma carboxyglutamic acid or glutamic acid

<400> 4

Ala Asn Gly Phe Leu Xaa Xaa Leu Arg Pro Gly Ser Leu Xaa Arg Xaa
1 5 10 15
Cys Arg Xaa Xaa Leu Cys Ser Phe Xaa Xaa Ala His Xaa Ile Phe Arg
20 25 30
Asn Xaa Xaa Arg Thr Arg Gln Phe Trp Val Ser Tyr
35 40

<210> 5
<211> 45
<212> PRT
<213> Homo sapiens

<220>
<221> MOD_RES
<222> (0)...(0)
<223> Xaa=gamma carboxyglutamic acid or glutamic acid

<400> 5

Tyr Asn Ser Gly Lys Leu Xaa Xaa Phe Val Gln Gly Asn Leu Xaa Arg
1 5 10 15
Xaa Cys Met Xaa Xaa Lys Cys Ser Phe Xaa Xaa Ala Arg Xaa Val Phe
20 25 30

Xaa Asn Thr Xaa Arg Thr Thr Xaa Phe Trp Lys Gln Tyr
35 40 45

<210> 6
<211> 46
<212> PRT
<213> Bos taurus

<220>
<221> MOD_RES
<222> (0)...(0)
<223> Xaa=gamma carboxyglutamic acid or glutamic acid

<400> 6
Tyr Asn Ser Gly Lys Leu Xaa Xaa Phe Val Gln Gly Asn Leu Xaa Arg
1 5 10 15
Xaa Cys Met Xaa Xaa Lys Cys Ser Phe Xaa Xaa Ala Arg Xaa Val Phe
20 25 30
Xaa Asn Thr Xaa Lys Arg Thr Thr Xaa Phe Trp Lys Gln Tyr
35 40 45

<210> 7
<211> 36
<212> DNA
<213> Artificial Sequence

<220>
<223> Protein C mutagenic oligonucleotide

<400> 7
aaatataatac gactcactat agggagaccc aagctt

36

<210> 8
<211> 42
<212> DNA
<213> Artificial Sequence

<220>
<223> Protein C mutagenic oligonucleotide

<400> 8
gcactcccgca tccaggctgc tgggacggag ctcctccagg aa

42

<210> 9
<211> 36
<212> DNA
<213> Artificial Sequence

<220>
<223> Protein C mutagenic oligonucleotide

<400> 9
acgctccacg ttgccgtgcc gcagctcctc taggaa

36

<210> 10

<211> 36

<212> DNA

<213> Artificial Sequence

<220>

<223> Protein C mutagenic oligonucleotide

<400> 10

ttccttagagg agctgcggca cggcaacgtg gagcgt

36

<210> 11

<211> 36

<212> DNA

<213> Artificial Sequence

<220>

<223> Protein C mutagenic oligonucleotide

<400> 11

gcatttaggt gacactatacg aatagggccc tctaga

36

<210> 12

<211> 42

<212> DNA

<213> Artificial Sequence

<220>

<223> Protein C mutagenic oligonucleotide

<400> 12

gaaggccatt gtgtcttccg tgtcttcgaa aatctcccgaa gc

42

<210> 13

<211> 36

<212> DNA

<213> Artificial Sequence

<220>

<223> Protein C mutagenic oligonucleotide

<400> 13

cagtgtgtca tccacatctt cgaaaatttc cttggc

36

<210> 14

<211> 36

<212> DNA

<213> Artificial Sequence

<220>

<223> Protein C mutagenic oligonucleotide

```

<400> 14
gccaggaaa ttgcagaaga tgtggatgac acactg 36

<210> 15
<211> 36
<212> DNA
<213> Artificial Sequence

<220>
<223> Protein C mutagenic oligonucleotide

<400> 15
cagtgtgtca tccacatttt cgaaaatttc cttggc 36

<210> 16
<211> 36
<212> DNA
<213> Artificial Sequence

<220>
<223> Protein C mutagenic oligonucleotide

<400> 16
ggcaaggaaa tttcgaaaaa tgtggatgac acactg 36

<210> 17
<211> 45
<212> PRT
<213> Bos taurus

<220>
<221> MOD_RES
<222> (0)...(0)
<223> Xaa=gamma carboxyglutamic acid or glutamic acid

<400> 17
Ala Asn Lys Gly Phe Leu Xaa Xaa Val Arg Lys Gly Asn Leu Xaa Arg
      5           10           15
Xaa Cys Leu Xaa Xaa Pro Cys Ser Arg Xaa Xaa Ala Phe Xaa Ala Leu
      20          25           30
Xaa Ser Leu Ser Ala Thr Asp Ala Phe Trp Ala Lys Tyr
      35          40           45

<210> 18
<211> 44
<212> PRT
<213> Bos taurus

<220>
<221> MOD_RES
<222> (0)...(0)
<223> Xaa=gamma carboxyglutamic acid or glutamic acid

```

<400> 18

Ala Asn Ser Phe Leu Xaa Xaa Val Lys Gln Gly Asn Leu Xaa Arg Xaa
1 5 10 15
Cys Leu Xaa Xaa Ala Cys Ser Leu Xaa Xaa Ala Arg Xaa Val Phe Xaa
20 25 30
Asp Ala Xaa Gln Thr Asp Xaa Phe Trp Ser Lys Tyr
35 40